

IN THE CLAIMS:

Please amend the claims to read as follows:

1. (Canceled)

2. (Previously Presented): A drive apparatus for a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing control circuit for controlling a charge recovery period from a time at which a charge recovery operation of said charge recovery circuit starts to a time of fixing to a sustaining potential or a ground potential, wherein said charge recovery timing control circuit controls said charge recovery period of said charge recovery circuit in response to said brightness information obtained by said brightness detection circuit,

wherein said brightness detection circuit comprises:

an image signal accumulator for accumulating a brightness of each pixel of said plasma display panel for each frame or for each field of an image signal; and

an accumulated value comparator for determining whether an accumulated value detected by said image signal accumulator is larger or smaller than a prescribed value.

3. (Original): A drive apparatus for a plasma display panel according to claim 2, wherein said image signal accumulator accumulates a brightness of all pixels in an effective display area of said plasma display panel.

4. (Original): A plasma display panel drive apparatus according to claim 2, wherein said image signal accumulator accumulates only a brightness of pre-established pixels within an effective display area of said plasma display panel.

5. (Currently Amended): A drive apparatus for a plasma display panel according to claim 2, wherein said charge recovery timing control circuit controls so that, when said accumulated value obtained by said image signal accumulator is made lower than a prescribed value said charge recovery period is made ~~relatively short~~ shorter, and further so that, when said accumulated value obtained by said image signal accumulator is made higher than said prescribed value, said charge recovery period is made ~~relatively long~~ longer.

6. (Currently Amended): A drive apparatus for a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing control circuit for controlling a charge recovery period from a time at which a charge recovery operation of said charge recovery circuit starts to a time of fixing to a sustaining potential or a ground potential, wherein said charge recovery timing control circuit controls said charge recovery period of said charge recovery circuit in response to said brightness information obtained by said brightness detection circuit,

wherein said charge recovery timing control circuit controls to ~~change~~ increases said charge recovery period for only a sub-field that has a ~~relatively large~~ brightness ~~weight~~ larger than a first brightness amount, and to leave said charge recovery period unchanged for a sub-field having a ~~relatively small~~ brightness ~~weight unchanged~~ smaller than a second brightness amount.

7. (Currently Amended): A drive apparatus for a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information;

a charge recovery timing control circuit for controlling a charge recovery period from a time at which a charge recovery operation of said charge recovery circuit starts to a time of fixing to a sustaining potential or a ground potential, wherein said charge recovery timing control circuit controls said charge recovery period of said charge recovery circuit in response to said brightness information obtained by said brightness detection circuit; and

a pixel counting circuit for counting a number of pixels of a brightness exceeding a pre-established reference brightness, wherein in a case in which a value counted by said pixel counting circuit is decreases below a pre-established value, said charge recovery timing control circuit controls so as to make said charge recovery period ~~relatively long~~ longer.

8. (Original): A drive apparatus for a plasma display panel according to claim 2, wherein said image signal accumulator accumulates a brightness of each pixel and then determines the average brightness.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Currently Amended): The drive apparatus for a plasma display panel according to claim ~~14~~ 16, wherein said image signal accumulator accumulates the intensity of each pixel of said plasma display panel for each frame or for each field of an image signal.

16. (Previously Presented): A drive apparatus for a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detector for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing controller for controlling a charge recovery period in response to said brightness information obtained by said brightness detector,

wherein said brightness detector further comprises:

an image signal accumulator for accumulating a brightness of each pixel of said plasma display panel for each frame or for each field of an image signal, and

an accumulated value comparator for determining whether an accumulated value detected by said image signal accumulator is larger or smaller than a prescribed value.

17. (Currently Amended): The drive apparatus for a plasma display panel according to claim ~~15~~ 16, wherein said image signal accumulator accumulates the intensity of all pixels in an effective display area of said plasma display panel.

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented): A method for controlling a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing control circuit for controlling a charge recovery period in response to said brightness information obtained by said brightness detection circuit, said method comprising:

accumulating a brightness of each pixel of said plasma display panel for each frame or for each field of an image signal with an image signal accumulator; and

determining whether an accumulated value detected by said image signal accumulator is larger or smaller than a prescribed value with an accumulated value comparator.

22. (Previously Presented): The method for controlling a plasma display panel according to claim 21, wherein said charge recovery period is a period from a time at which a

charge recovery operation of said charge recovery circuit starts to a time of fixing to a sustaining potential or a ground potential.

23. (Currently Amended): A method for controlling a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing control circuit for controlling a charge recovery period in response to said brightness information obtained by said brightness detection circuit; said method comprising:

controlling the drive apparatus to ~~change~~ increase said charge recovery period for only a sub-field that has a ~~relatively large~~ brightness ~~weight~~ larger than a first brightness amount; and

leaving said charge recovery period unchanged for a sub-field having a ~~relatively small~~ brightness ~~weight~~ less than a second brightness amount.

24. (Currently Amended): A method for controlling a plasma display panel comprising a charge recovery circuit that re-uses a recovered electrical charge, said drive apparatus comprising:

a brightness detection circuit for detecting a brightness so as to obtain screen brightness information; and

a charge recovery timing control circuit for controlling a charge recovery period in response to said brightness information obtained by said brightness detection circuit, said method comprising:

counting a number of pixels of a brightness exceeding a pre-established reference brightness with a pixel counting circuit; and

controlling so as to make said charge recovery period ~~relatively long~~ longer with said charge recovery timing control circuit, in a case in which a value counted by said pixel counting circuit ~~is~~ decreases below a pre-established value.

25. (Canceled)